

## Abstract

Title: Sea Surface Temperature Measurements with AIRS

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### Abstract:

Sea surface skin temperatures derived from the AIRS super window channels using first principles corrections for atmospheric absorption and surface emissivity have been compared to the Real-Time Global Sea Surface Temperature (RTGSST) for night ocean observations between +/- 40 degree latitude from September 1 through November 30, 2002. Excellent agreement is achieved if absorption due to a low marine aerosol layer is included in the correction terms. AIRS was launched into polar orbit onboard the EOS Aqua spacecraft on May 4, 2002.